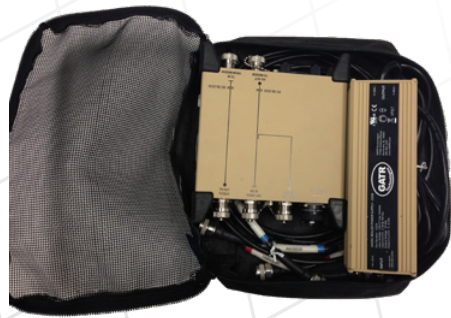




## GATR DC INJECTION UNIT (DCIU)

CUBIC | GATR's DCIU is designed to interface any L-band modem with the GATR antenna. It provides a low phase noise, high stability reference and DC power to a terminal LNB and BUC.

- Supplies up to 0.65A at 18V on IFL to power LNB
- Supplies up to 6A at 24V on IFL to power BUC
- Provides low phase noise and high stability 10 MHz reference for LNB, BUC, or both
- Watertight and ruggedized enclosure
- Includes monitor port for Rx path
- Supports frequencies 950 MHz to 2000 MHz
- N-type (50Ω) RF connections



**CUBIC**



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Visit [www.GATR.com](http://www.GATR.com), or contact us for demonstration.

**GATR DCIU Specifications**

<b>Power</b>	
Input Power	24V
BUC Power	24V at 6A maximum (pass through from 24V input)
LNB Power	18V at 0.65A maximum
<b>IF Path Gain</b>	
Tx Path	Minimum 10 dB with 31.5 adjustable attenuation in 0.5 dB steps
Rx Path	Minimum 20 dB with 31.5 adjustable attenuation in 0.5 dB steps
<b>10 MHz Phase Noise</b>	
10 Hz Offset	-130 dBc/Hz
100 Hz Offset	-145 dBc/Hz
1 kHz Offset	-160 dBc/Hz
100 kHz Offset	-169 dBc/Hz
<b>Frequency Stability/ Aging</b>	
Per Day	< 0.1 ppb
Per Year	< 10 ppb
Per 10 Years	< 50 ppb
<b>Characteristics</b>	
Operating Temperature Range	-40°C to 55°C
Rain	Tested
Shock	Tested
Humidity	Tested
Salt Fog	Tested

GATR DCIU 2/18



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